

WHAT IS CLAIMED IS:

1. An information recording device, comprising:
 - a recorder which can record at least either image or audio information;
 - a wireless communication device for transmitting said information to external equipment through wireless communication;
 - an oscillation section for generating a carrier for said wireless communication device; and
 - a controller for controlling the generation and stop of said carrier, wherein said controller causes said oscillation section to stop the generation of a carrier at least for a period from the time when said image or audio information is captured to the time when said image or audio information is recorded.
2. The information recording device according to claim 1, wherein said controller causes said oscillation section to start the generation of a carrier when said information has been recorded.
3. A communication method of an information recording device, comprising the steps of:
 - generating a carrier for wireless transmission when said wireless transmission to external equipment starts;
 - issuing an instruction to record at least either image or audio information; and
 - stopping the generation of said carrier when an instruction to record said information is issued.
4. The communication method of an information recording device

according to claim 3, wherein some information indicating that said carrier is to be stopped is transmitted to said external equipment before the generation of said carrier is stopped.

5. The communication method of an information recording device according to claim 4, further comprising the steps of:

causing any external equipment to transmit equipment identification information to another equipment for stopping a carrier; and

causing said equipment for stopping a carrier to stop the generation of said carrier when it receives said equipment identification information.

6. The communication method of an information recording device according to claim 3, further comprising the step of receiving a synchronization signal emitted by external equipment while the generation of said carrier is stopped.

7. The communication method of an information recording device according to claim 3, further comprising a step of starting the generation of said carrier when said information has been recorded.

8. The communication method of an information recording device according to claim 7, further comprising a step of automatically transmitting said recorded information to said external equipment when the generation of said carrier is started.

9. An electronic camera which transmits a captured image to external equipment through wireless communication, comprising: a communication device for stopping wireless oscillation at least during an imaging process.

10. The electronic camera according to claim 9, wherein, while said wireless oscillation is stopped after the communication with desired external equipment has been established, said communication device is placed into semi-stop state where it can be synchronized with said external equipment for communication therewith by activating a receiving section.

11. The electronic camera according to claim 10, wherein said semi-stop state starts when the communication with desired external equipment is established, when its shutter release button is operated, when an imaging process starts, or when a power-saving operation starts and said semi-stop state ends when an imaging process is finished or when a predetermined operation starts to go into ordinary communication enable state.

12. A communication system, comprising the electronic camera according to claim 10 and external equipment which has a storage medium for storing an image received from said electronic camera,

wherein, before going into said semi-stop state, said electronic camera notifies said external equipment that it will go into said semi-stop state and after stopping said semi-stop state, it notifies said external equipment that it has been released from said semi-stop state; and

in response to the notification of semi-stop state received from said electronic camera, said external equipment keeps the connection therewith and supplies a synchronization signal.